

- a) providing a polypeptide pair comprising a first polypeptide and a binding partner polypeptide capable of associating, wherein the association of the polypeptides is detectable, and covalent modification of at least one of the polypeptides results in modulation of the association and is required for said association of said first polypeptide and said binding partner polypeptide;
- b) immobilizing the first polypeptide to a physical support;
- c) contacting the immobilized polypeptide with the second polypeptide;
- d) contacting said immobilized polypeptide and said binding partner polypeptide with said sample; and
- e) assaying the modification of at least one of the polypeptides by measuring the association of the binding partner polypeptide to the first polypeptide.

8. (Twice Amended) The method of claim 1, wherein said association is measured by monitoring the molecular mass of the binding partner polypeptide in association with the first polypeptide.

14. (Twice Amended) The method of claim 1, wherein the immobilised polypeptide is the polypeptide which is covalently modified.

17. (Amended) A polypeptide pair comprising a first polypeptide immobilised to a support, and a second polypeptide bound to the first polypeptide, wherein,
the binding of the polypeptides is detectable, and
covalent modification of at least one of the polypeptides results in modulation of the binding and is required for said association of said first polypeptide and said binding partner polypeptide.

REMARKS

Claims 1-18 and 20 pending. Claims 1, 8, 14, and 17 are amended herein.

Rejection of Claims 8 and 14 under 35 U.S.C. §112, second paragraph

Claims 8 and 14 remain rejected under 35 U.S.C. §112, second paragraph for alleged lack of clarity.